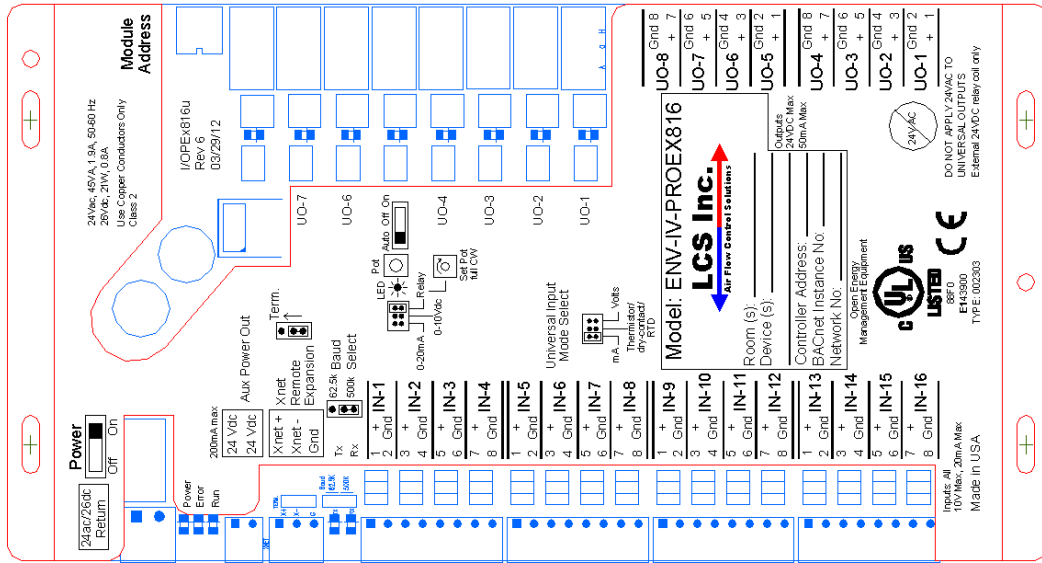


ENVIROTRAK® IV PRO POINT EXPANDER ENV-IV-PROEX816



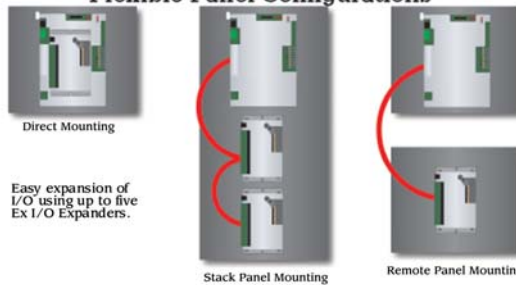
GENERAL DESCRIPTION

The Envirotrak® IV Pro Point Expander (Model No.: ENV-IV-PROEX816) is designed for the powerful ENV-IV-PRO controller, and for the most demanding control applications in the industry.

Key Features and Benefits

- High resolution Universal Inputs (Qty. 16) and Outputs (Qty. 8) for accuracy.
- When used with the ENV IV PRO, allows for easy expansion of I/O using up to five Ex I/O expansion modules in a stack panel configuration or remote mounted up to 100 ft. away for scalable solutions.
- The ENV IV PROEX816 expander can be mounted directly on top of the ENV IV PRO controller, reducing control panel space.
- Tough construction delivers superior performance and reliability. Modules are constructed with a rugged aluminum cover which provides optimum electrical protection and noise immunity.
- Removable screw connectors for easy wiring, termination, and service.

Flexible Panel Configurations



LCS Inc.

Air Flow Control Solutions

Laboratory Control Systems Incorporated
91 Quinton Road
Scott Township, PA 18447
Tel: 570.487.2490 Fax: 570.487.2494
www.labcontrols.com

Title:
ENVIROTRAK® IV PRO POINT EXPANDER

Model Number:
ENV-IV-PROEX816

Drawing Number:
ENV-IV-PROEX816-DS

Date:
2/9/18

Rev. A

<u>Power</u>	24VAC ± 10% (21.6VAC to 26.4VAC), 50 to 60Hz, 45VA, or 26 Vdc ±10%, 21W
<u>Physical</u>	Rugged aluminum housing, removable screw terminals with custom silk screening available
<u>Operating Range</u>	-20° to 140°F (-29° to 60°C); 10 to 90% relative humidity, non-condensing
<u>Universal Outputs</u>	8 universal outputs that are jumper configurable as 0-10 Vdc, or 0-20 mAdc with 12-bit D/A or 24 Vdc@50mA relay drive. HOA (hand/off/auto) switches for all outputs, including potentiometer for manual adjustment of analog outputs.
<u>Universal Inputs</u>	16 configurable universal inputs with 14 A/D resolution. Supported input types include: 0-5 Vdc, 0-10 Vdc, 0-20 mA, Thermistor (10k Ohm Type II), 1k Ohm RTD (Platinum, Nickel, or Balco), and Dry Contact. All inputs support pulse counting up to 40 cycles per second (12.5mSec minimum pulse duration).
<u>Communication</u>	Xnet I/O Expander bus for 500 Kbps or 62.5 Kbps communications between ENV IV Pro Controller and ENV IV PRO Expanders.
<u>Expansion</u>	Five ENV IV PRO expansion modules can be connected - one mounted directly on top of the controller, mounted locally in a stack configuration or remote mounted up to 100 ft. away.
<u>Status Indication</u>	Visual (LED) status of power, running, and errors. Xnet, TX and Xnet RX
<u>Addressing</u>	Rotary dip switches for intuitive network addressing of expander modules
<u>Protection</u>	Surge and transient protection circuitry for power and communications
<u>Listed by</u>	UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC part 15 - Subpart B - class A
<u>Dimensions</u>	4-3/4" (width) by 9" (height) by 1-1/2" (recommended panel depth), 121mm (width) by 229mm (height) by 38mm (recommended panel depth)
<u>Mounting Hole Dimensions</u>	2-3/4" from left (width) by 8-1/2" (height), 70 mm width by 216mm height
<u>Weight</u>	0.83 lb. (.37 kg)



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